

WHAT IS CLAIMED IS:

1. A color liquid crystal display device
comprising a liquid crystal display part, and light
sources for irradiating the liquid crystal display part
5 with lights of three primary colors, respectively, the
device performing display of one frame by respective
fields of three primary colors and a white field
displayed with a mixture of the three primary colors in
the liquid crystal display part,

10 wherein the device further comprises:

means for comparing brightness levels of inputted
three primary color signals for one frame with each
other to define a maximum value thereof as a brightness
level of a white signal for one frame;

15 means for setting a proportion of the brightness
level of the white signal to be displayed in the white
field; and

a light source driving part for driving the light
sources of the three primary colors so that the white
20 field emits light depending on the brightness level of
the white signal and the proportion.

2. A color liquid crystal display device
comprising a liquid crystal display part, and light
25 sources for irradiating the liquid crystal display part
with lights of the three primary colors, respectively,
the device performing display of one frame by

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wherein the device further comprises a light
5 source driving part for driving the light sources of
the three primary colors, and

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5. The color liquid crystal display device according to claim 1, wherein in a frame with the proportion equal to 0%, one frame is divided into three fields to perform display only by three-color fields.